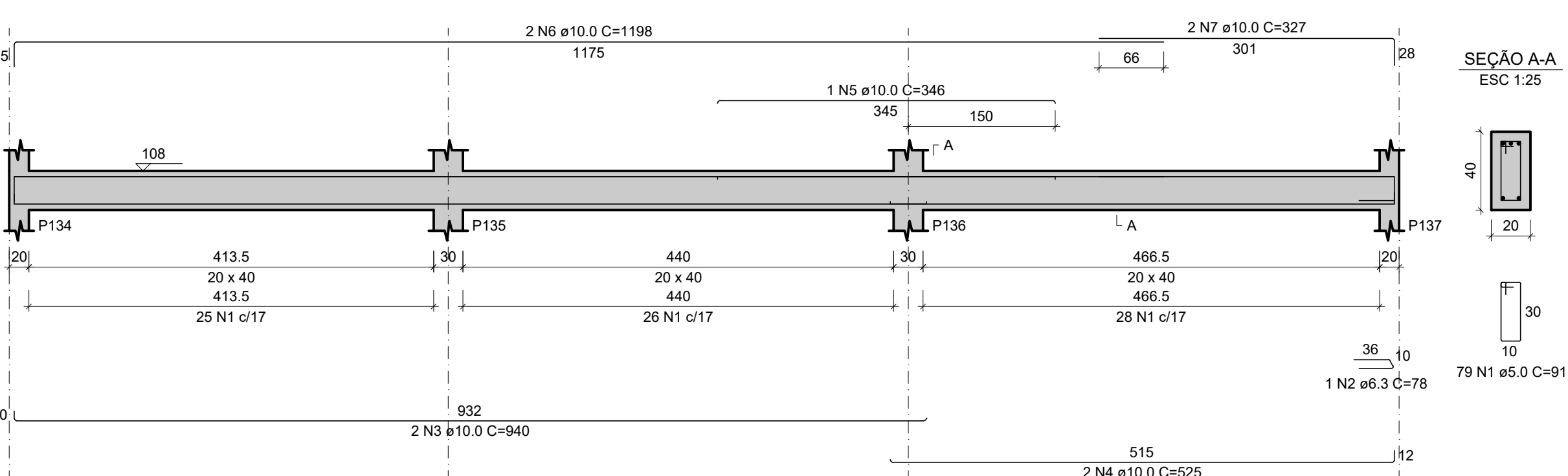
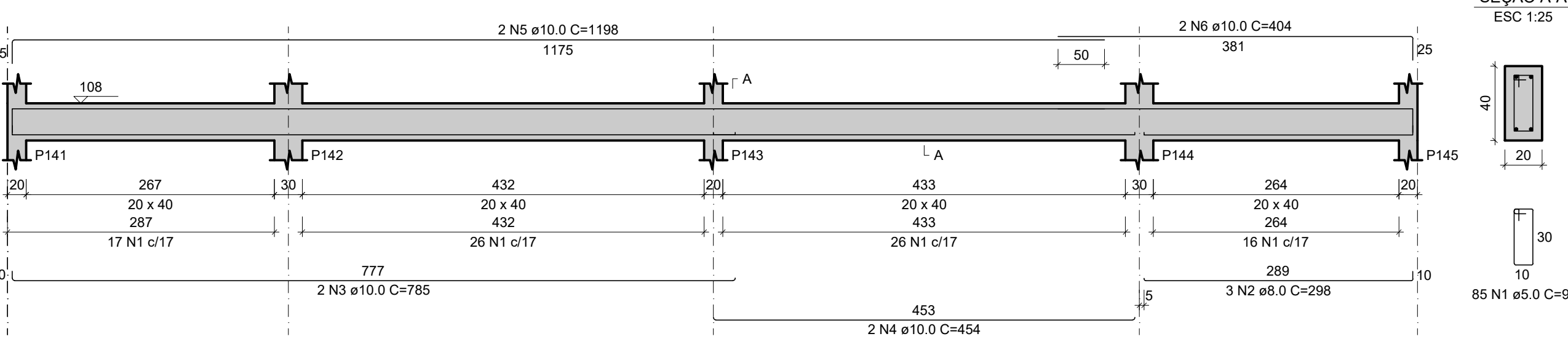


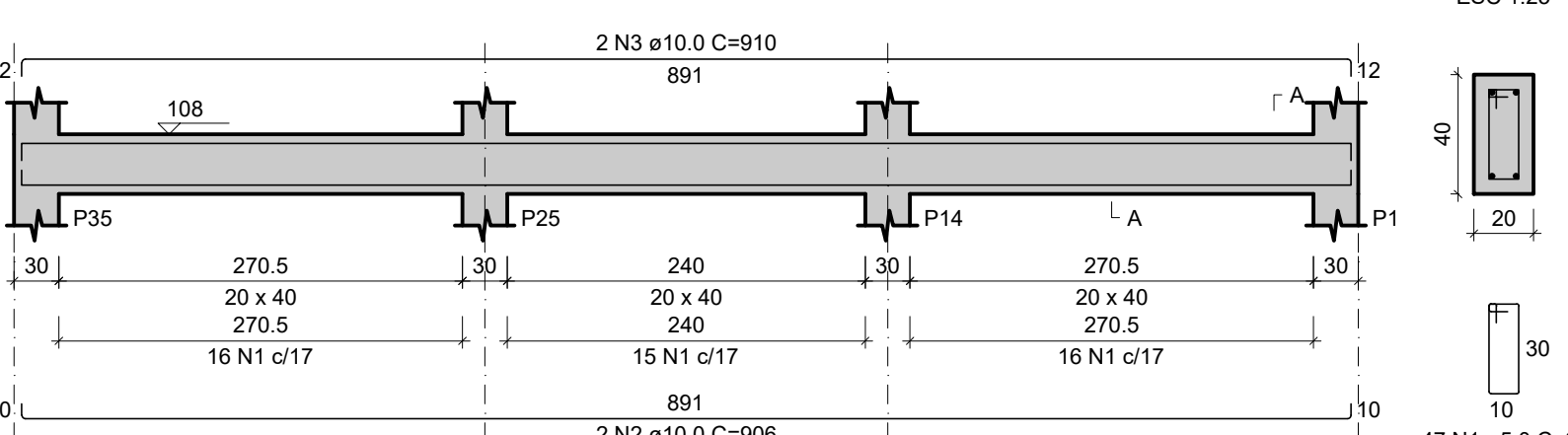
VB47



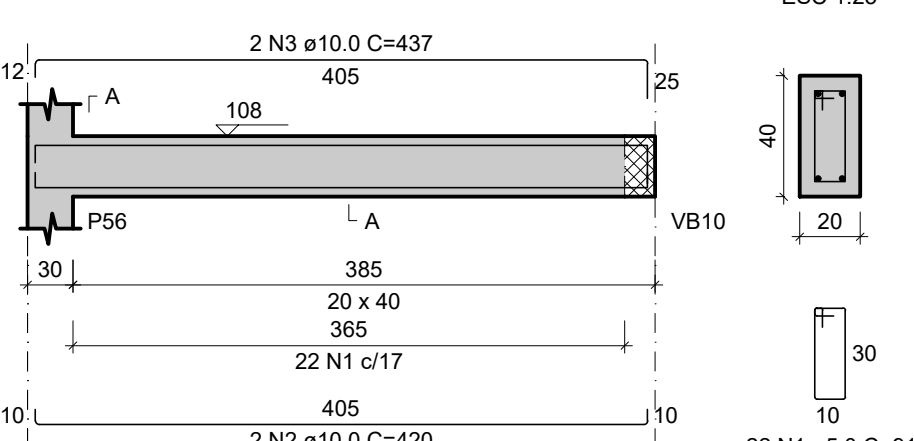
VB50



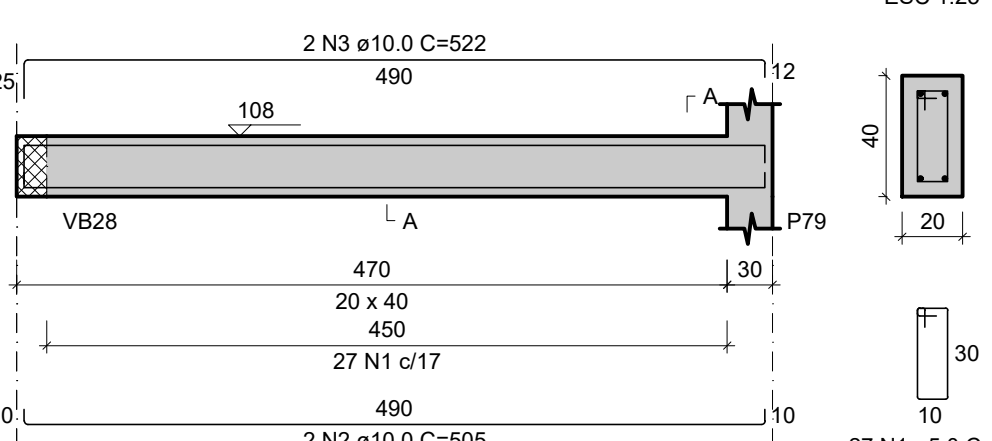
VB52



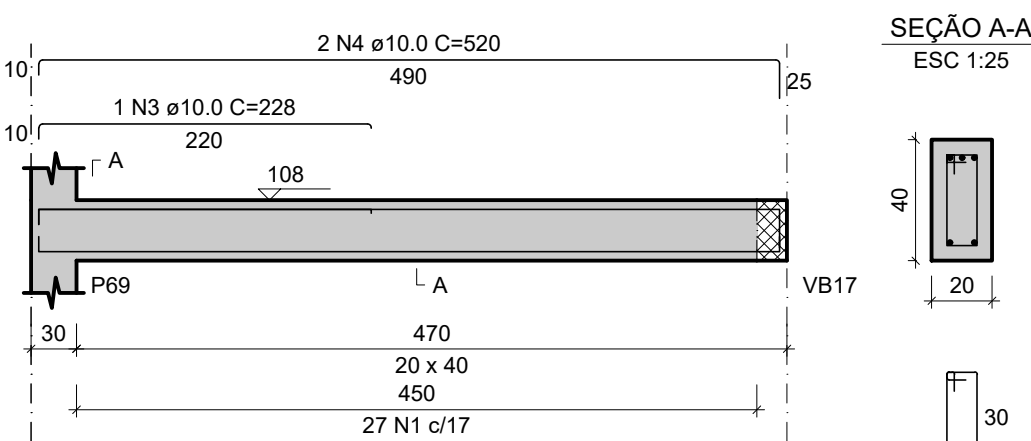
VB54



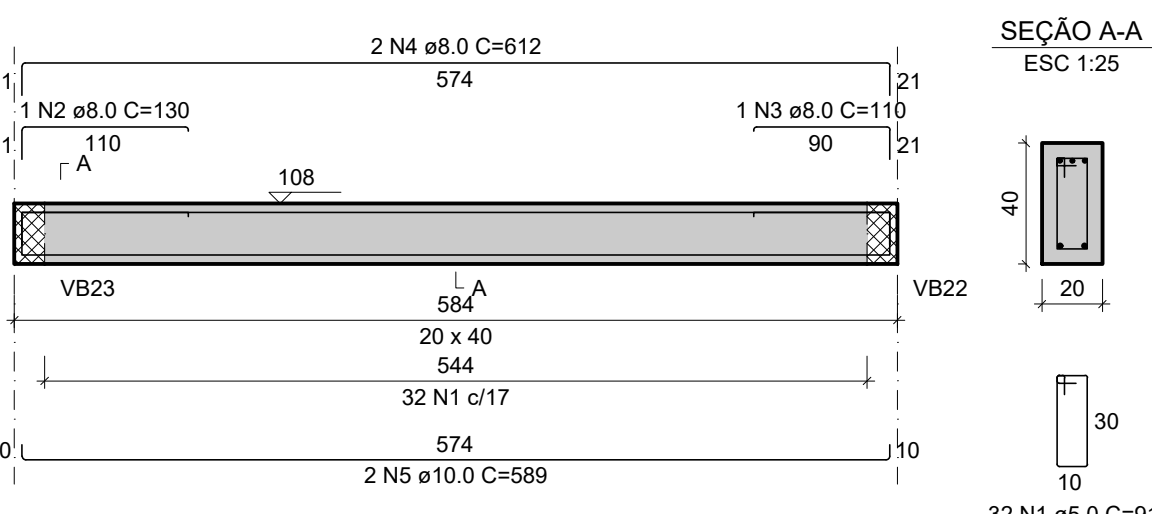
VB55



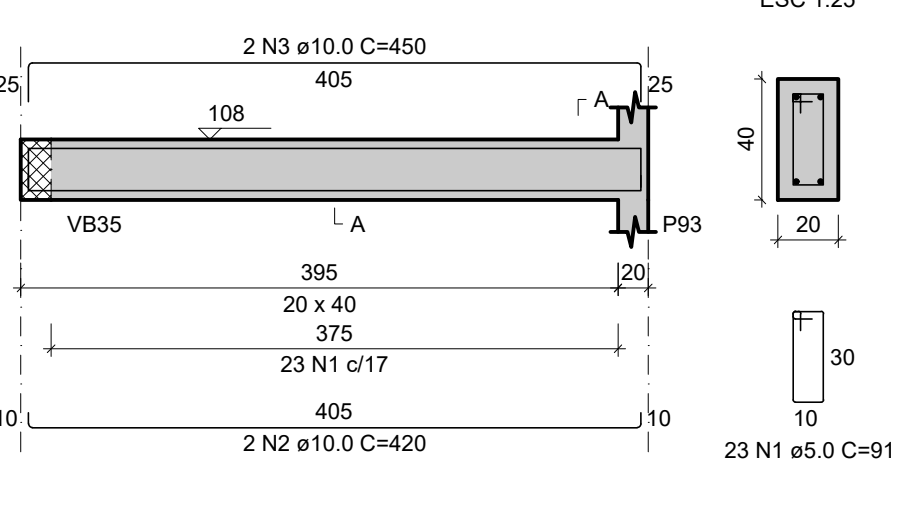
VB56



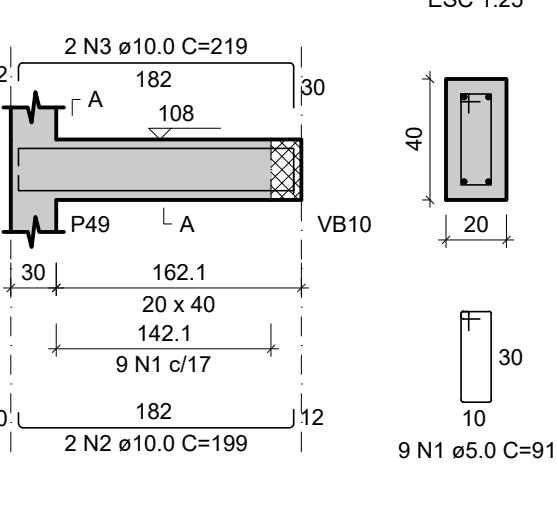
VB57



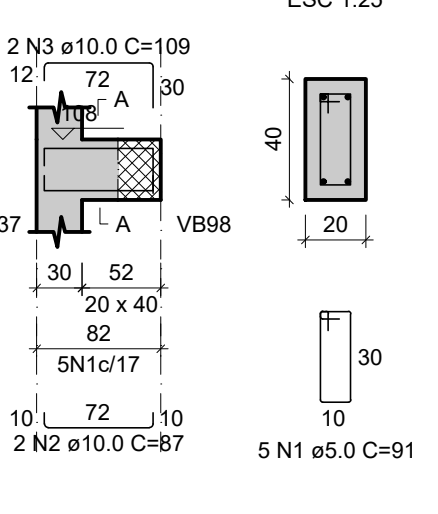
VB58



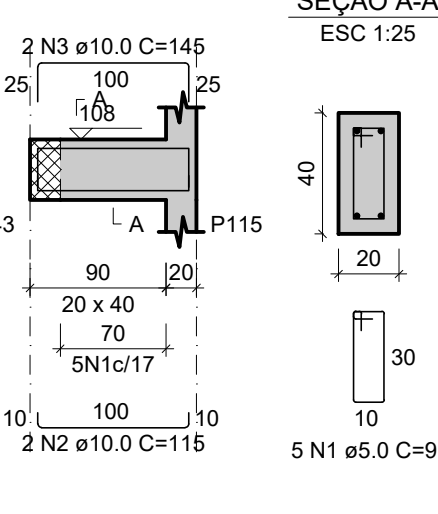
VB59



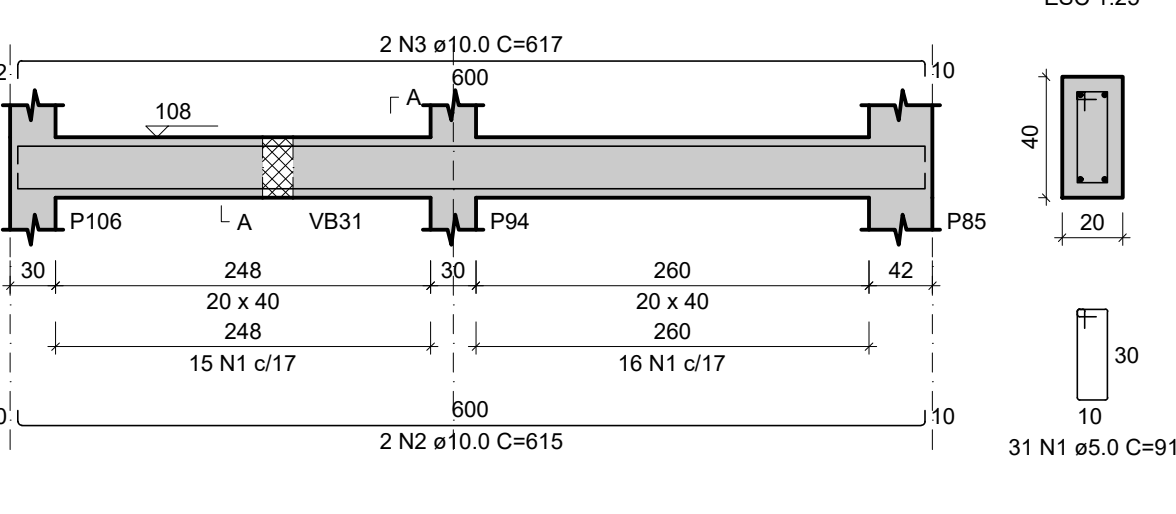
VB60



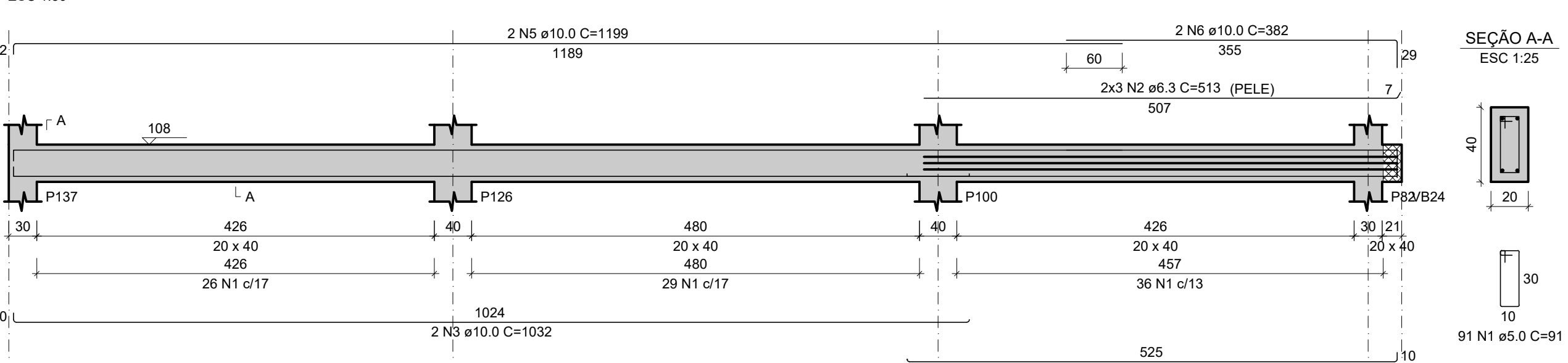
VB65=VB66=VB68=VB69



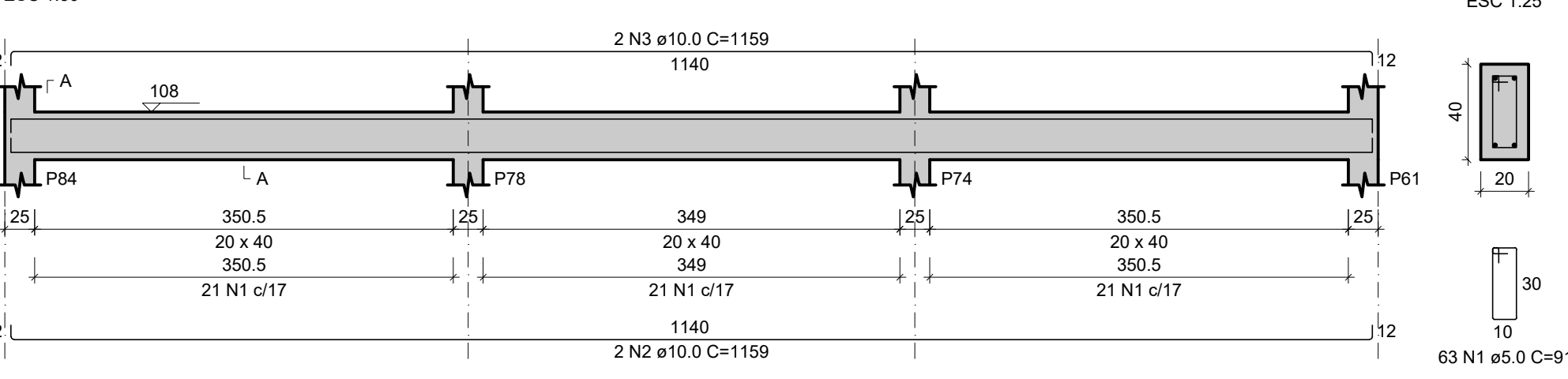
VB70



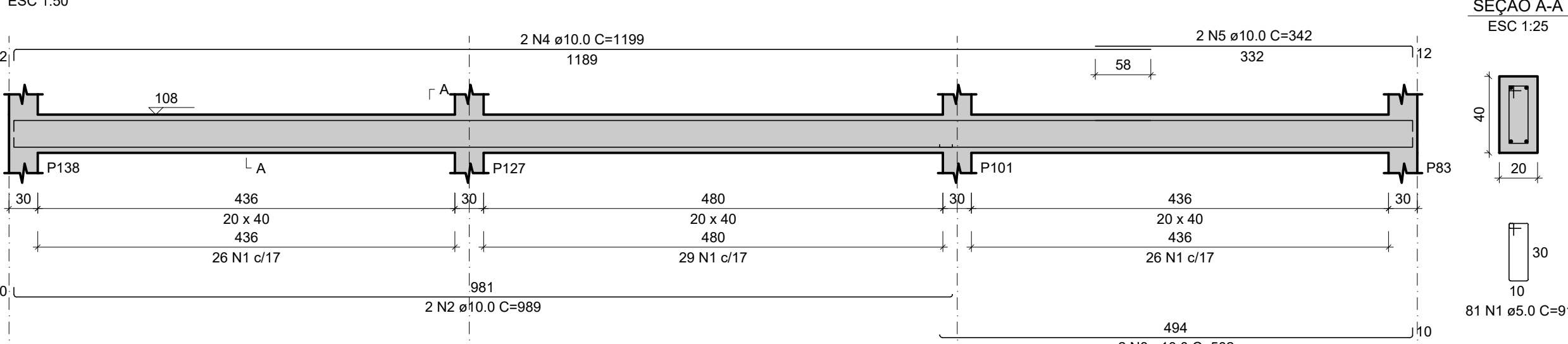
VB61



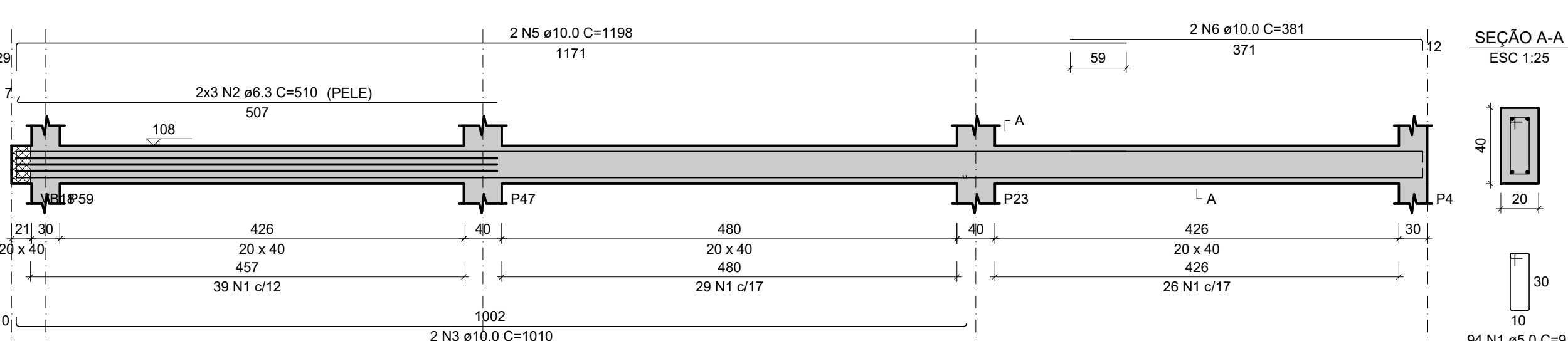
VB67



VB62=VB64



VB63



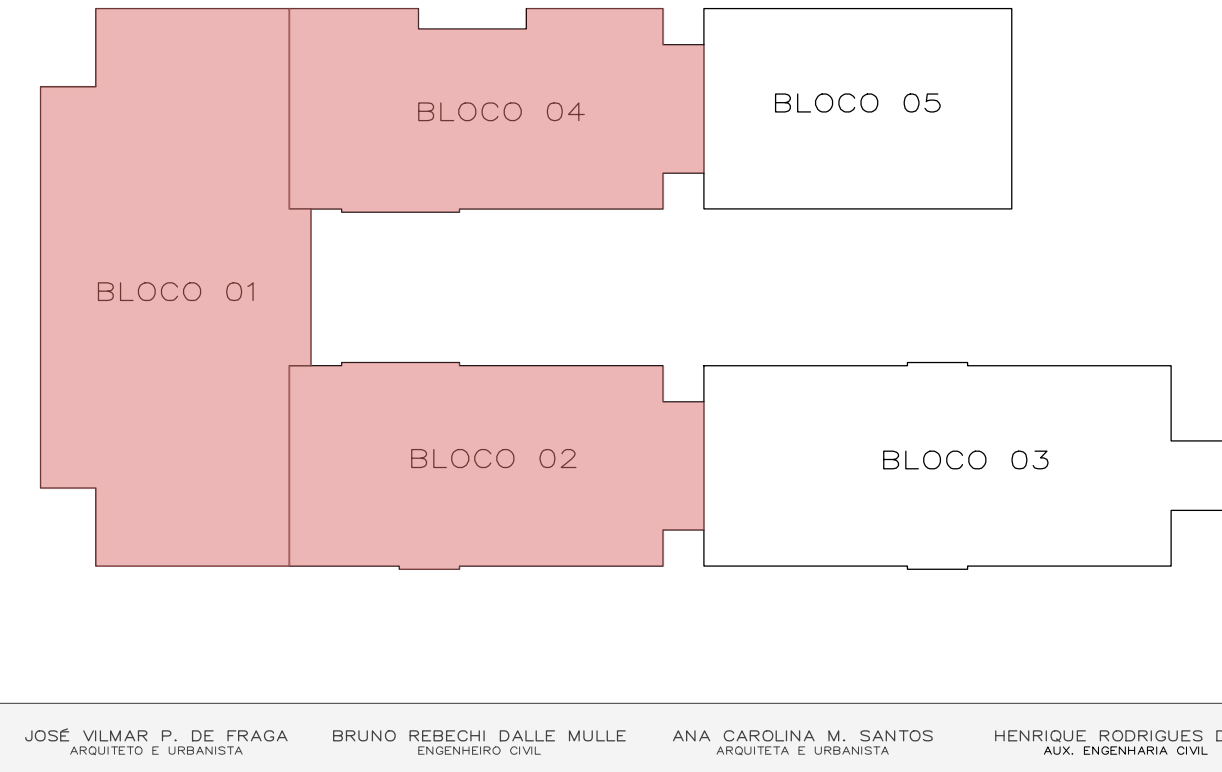
RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C UNIT (cm)	C TOTAL (cm)
VB47	CA60	1	5.0	79	91	7189
	CA50	2	6.3	1	78	78
	CA50	3	10.0	2	940	1880
	CA50	4	10.0	2	525	1050
	CA50	5	10.0	1	346	346
	CA50	6	10.0	2	1198	2396
VB50	CA50	7	10.0	2	327	654
	CA60	1	5.0	85	91	7735
	CA50	2	8.0	3	298	894
	CA50	3	10.0	2	785	1570
	CA50	4	10.0	2	454	908
	CA50	5	10.0	2	1198	2396
VB52	CA50	6	10.0	2	404	808
	CA60	1	5.0	47	91	4277
	CA50	2	10.0	2	906	1812
	CA50	3	10.0	2	910	1820
	CA60	1	5.0	22	91	2002
	CA50	2	10.0	2	420	840
VB54	CA50	3	10.0	2	437	874
	CA60	1	5.0	27	91	2457
	CA50	2	10.0	2	505	1010
	CA50	3	10.0	2	522	1044
	CA60	1	5.0	27	91	2457
	CA50	2	10.0	2	505	1010
VB56	CA50	3	10.0	1	228	228
	CA50	4	10.0	2	520	1040
	CA60	1	5.0	32	91	2912
	CA50	2	8.0	1	130	130
	CA50	3	8.0	1	110	110
	CA50	4	8.0	2	612	1224
VB58	CA50	5	10.0	2	589	1178
	CA60	1	5.0	23	91	2093
	CA50	2	10.0	2	420	840
	CA50	3	10.0	2	450	900
	CA60	1	5.0	9	91	819
	CA50	2	10.0	2	199	398
VB59	CA50	3	10.0	2	219	438
	CA60	1	5.0	5	91	455
	CA50	2	10.0	2	87	174
	CA50	3	10.0	2	109	218
	CA60	1	5.0	91	91	8281
	CA50	2	6.3	6	513	3078
VB60	CA50	3	10.0	2	1032	2064
	CA50	4	10.0	2	533	1066
	CA50	5	10.0	2	1199	2398
	CA50	6	10.0	2	382	764
	CA60	1	5.0	162	91	14742
	CA50	2	10.0	4	989	3956
2xVB62	CA50	3	10.0	4	502	2008
	CA50	4	10.0	4	1199	4796
	CA50	5	10.0	4	342	1368
	CA60	1	5.0	94	91	8554
	CA50	2	6.3	6	510	3060
	CA50	3	10.0	2	1010	2020
VB63	CA50	4	10.0	2	492	984
	CA50	5	10.0	2	1198	2396
	CA60	6	10.0	2	381	762
	CA60	1	5.0	20	91	1820
	CA50	2	10.0	8	115	920
	CA50	3	10.0	8	145	1160
4xVB65	CA60	1	5.0	63	91	5733
	CA50	2	10.0	2	1159	2318
	CA50	3	10.0	2	1159	2318
	CA60	1	5.0	31	91	2821
	CA50	2	10.0	2	615	1230
	CA50	3	10.0	2	617	1234

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	62.2	16.7
CA50	8.0	23.6	10.2
CA60	10.0	595.9	404.2
CA60	5.0	743.5	126.1
PESO TOTAL (kg)		CA50	431.1
		CA60	126.1

Volume de concreto (C-30) = 10.62 m³
Área de forma = 132.73 m²



JOSE MILMAR P. DE FRAGA
ARQUITETO E URBANISTA

BRUNO REBECHI DALLE MULLE
ENGENHEIRO CIVIL

ANA CAROLINA M. SANTOS
ARQUITETA E URBANISTA

HENRIQUE RODRIGUES DIAS
ARQ. ENGENHEIRO CIVIL

ESTADO DO RIO GRANDE DO SUL
PREFEITURA MUNICIPAL DE IMBÉ
AVENIDA PARAGUASSU, 2070 – CENTRO – IMBÉ – RS
FONE: 51-3627.8515 – CEP: 95.625-000

PROJETO: E. M. E. F. RUI BARBOSA
NOVAS INSTALAÇÕES

ADMINISTRAÇÃO 2025/2028

SECRETARIA MUNICIPAL DE EDUCAÇÃO
smeduc@imbe.rs.gov.br

ENGENHEIRO: BAIRRO MARILUZ – IMBÉ – RS
AVENIDA MARILUZ, 1180
TERRENO URBANO – SETOR 35

INDICADAS

ABRIL 2025

2.491,91m²

12/56